

211810US99



#1/ARLT  
R  
11/2/02

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF :  
BARBARA F. BARENBURG ET AL : GROUP ART UNIT: 2829  
SERIAL NO: 09/911,495 :  
FILED: JULY 25, 2001 : EXAMINER: GEYER, S.B.  
FOR: FABRICATION OF AN ARRAYED:  
WAVEGUIDE GRATING DEVICE

RECEIVED  
OCT 21 2002  
TECHNICAL CENTER 2800

AMENDMENT

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

SIR:

Responsive to the Official Action dated April 24, 2002, Applicants respectfully  
request reconsideration in view of the following amendment and remarks:

IN THE CLAIMS

Please amend Claims 1, 10, 11, 12, 13, 22, 23 and 24 as follows:

--1. (Amended) A semiconductor structure comprising:

a monocrystalline silicon substrate;

an amorphous oxide material overlying the monocrystalline silicon substrate;

a monocrystalline perovskite oxide material overlying the amorphous oxide material;

a monocrystalline compound semiconductor material overlying the monocrystalline  
perovskite oxide material; and

an arrayed wavelength grating device overlying the monocrystalline silicon